Index

PAGE

A Year of Gravity; The Astronomical Anniversaries of 1992, *A.Chapman* 33
Accounts of the Society 394
An Extraterrestrial Influence During the Current Glacial–Interglacial, *D.J.Asher & S.V.M.Clube* 481
Announcement of the RAS/Blackwell Prize 1992 277
Asher, D.J. & Clube, S.V.M., An Extraterrestrial Influence During the Current Glacial–Interglacial 481

Barrow, J.D., Unprincipled Cosmology 117
Branham Jr, R.L., Yes, Mercury's Mass is 1/6000000 107

Chapman, A., A Year of Gravity; The Astronomical Anniversaries of 1992 33
Citation for the award of the Eddington Medal to L. Mestel on Friday 1993 May 14 275
Citation for the award of the Gold Medal to D. Lynden-Bell on Friday 1993 May 14 273
Clumps, Their Tails and the Global Sources They Wag, *T.W.Hartquist & J.E.Dyson* 57
Clutton-Brock, M., Simple Consequences of Inflation 411
Cosmology and Particle Physics: A New Synthesis (The 14th Milne Lecture), *D.W.Sciama* 291
Cyclicity in Terrestrial Upheavals During the Phanerozoic Eon, *I.Liritzis* 251

Daub, C.T., The Aubrey Holes Revisited 563
Double Star Astronomy in the UK 1832–1932, *D.C.Wright* 423

Edmond Halley – A Commemoration, *R.Hide, A.W.Wolfendale, C.Ronan, A.Chapman, A.Cook, D.W.Hughes & S.R.C.Malin* 135
Edmond Halley – Geophysicist, *S.R.C.Malin* 151
Ellis, G.F.R., The Physics and Geometry of the Universe: Changing Viewpoints 315

Gadsen, M., Occultations by Comets 103
Giotto's Comet – was it the Comet of 1304 and not Comet Halley? *D.W.Hughes, K.K.C.Yau & F.R.Stephenson* 21

Hartquist, T.W., Rawlings, J.M.C., Williams, D.A. & Dalgarno, A., The Regulatory and Diagnostic Roles of Chemistry in Low-Mass Star Formation 213
Hartquist, T.W. & Dyson, J.E., Clumps, Their Tails and the Global Sources They Wag 57
Hide, R., Wolfendale, A.W., Ronan, C., Chapman, A., Cook, A., Hughes, D.W. & Malin, S.R.C., Edmond Halley – a Commemoration 135
Hill Jr., L.C., Problematics of Supernovae: Current Binary Classification Schemes Versus the Diversity of Historical Supernovae 73
Hughes, D.W., Some Cosmogonical Reasons Why Planet X Does Not Exist 461
Hughes, D.W., Yau, K.K.C. & Stephenson, F.R., Giotto's Comet – was it the Comet of 1304 and not Comet Halley? 21

Kidger, M.R., Some Comments on the Identification of Medieval Meteor Showers Recorded by the Arabs 331
Kirk, T.H., The Significance of the 56 Holes of the Aubrey Circle at Stonehenge 567

Laird, M.J., Autumn MIST Meeting, 1992 513
Lester, M., Spring MIST Meeting, 1992 95

Index

PAGE

A Year of Gravity; The Astronomical Anniversaries of 1992, *A.Chapman* 33
Accounts of the Society 394
An Extraterrestrial Influence During the Current Glacial–Interglacial, *D.J.Asher & S.V.M.Clube* 481
Announcement of the RAS/Blackwell Prize 1992 277
Asher, D.J. & Clube, S.V.M., An Extraterrestrial Influence During the Current Glacial–Interglacial 481

Barrow, J.D., Unprincipled Cosmology 117
Branham Jr, R.L., Yes, Mercury's Mass is 1/6000000 107

Chapman, A., A Year of Gravity; The Astronomical Anniversaries of 1992 33
Citation for the award of the Eddington Medal to L. Mestel on Friday 1993 May 14 275
Citation for the award of the Gold Medal to D. Lynden-Bell on Friday 1993 May 14 273
Clumps, Their Tails and the Global Sources They Wag, *T.W.Hartquist & J.E.Dyson* 57
Clutton-Brock, M., Simple Consequences of Inflation 411
Cosmology and Particle Physics: A New Synthesis (The 14th Milne Lecture), *D.W.Sciama* 291
Cyclicity in Terrestrial Upheavals During the Phanerozoic Eon, *I.Liritzis* 251

Daub, C.T., The Aubrey Holes Revisited 563
Double Star Astronomy in the UK 1832–1932, *D.C.Wright* 423

Edmond Halley – A Commemoration, *R.Hide, A.W.Wolfendale, C.Ronan, A.Chapman, A.Cook, D.W.Hughes & S.R.C.Malin* 135
Edmond Halley – Geophysicist, *S.R.C.Malin* 151
Ellis, G.F.R., The Physics and Geometry of the Universe: Changing Viewpoints 315

Gadsen, M., Occultations by Comets 103
Giotto's Comet – was it the Comet of 1304 and not Comet Halley? *D.W.Hughes, K.K.C.Yau & F.R.Stephenson* 21

Hartquist, T.W., Rawlings, J.M.C., Williams, D.A. & Dalgarno, A., The Regulatory and Diagnostic Roles of Chemistry in Low-Mass Star Formation 213
Hartquist, T.W. & Dyson, J.E., Clumps, Their Tails and the Global Sources They Wag 57
Hide, R., Wolfendale, A.W., Ronan, C., Chapman, A., Cook, A., Hughes, D.W. & Malin, S.R.C., Edmond Halley – a Commemoration 135
Hill Jr., L.C., Problematics of Supernovae: Current Binary Classification Schemes Versus the Diversity of Historical Supernovae 73
Hughes, D.W., Some Cosmogonical Reasons Why Planet X Does Not Exist 461
Hughes, D.W., Yau, K.K.C. & Stephenson, F.R., Giotto's Comet – was it the Comet of 1304 and not Comet Halley? 21

Kidger, M.R., Some Comments on the Identification of Medieval Meteor Showers Recorded by the Arabs 331
Kirk, T.H., The Significance of the 56 Holes of the Aubrey Circle at Stonehenge 567

Laird, M.J., Autumn MIST Meeting, 1992 513
Lester, M., Spring MIST Meeting, 1992 95

Liritzis, I., Cyclicity in Terrestrial Upheavals During the Phanerozoic Eon 251
Longair, M.S., Modern Cosmology – A Critical Assessment 157

Malin, S.R.C., Edmond Halley – Geophysicist 151
Mian, Z., Understanding Why Earth is a Planet with Plate Tectonics 441
Modern Cosmology – A Critical Assessment, *M.S.Longair* 157

Obituaries
H.J.Smith (1924–1991) 109
F.Holden (1917–1992) 113
C.M.Botley (1902–1992) 569
F.G.G.Carr (1903–1991) 571
G.Randers (1914–1992) 573
Occultations by Comets, *M.Gadsen* 103

Paffenroth, K., The Star of Bethlehem Casts Light on its Modern Interpreters 449
Patterns in Citations of Papers by American Astronomers, *V.Trimble* 235
Patterns in Citations to Papers by British Astronomers, *V.Trimble* 301
Planetary Resources for Extraterrestrial Technology are Unlikely, *R.G.Teske* 335
Problematics of Supernovae: Current Binary Classification Schemes Versus the Diversity of Historical Supernovae, *L.C.Hill Jr.* 73

Records for Young Moon Sightings, *B.E.Schaefer, I.A.Ahmad & L.Doggett* 53
Rees, M.J., Understanding the High–redshift Universe: Progress, Hype and Prospects (The Presidential Address) 279

Reports from Observatories, University Departments and Research Establishments
Anglo–Australian Observatory 347
Astronomy Centre, University of Sussex 521
Astrophysics Group, Mathematics Department, UMIST 337
Department of Physics and Astronomy, University of Glasgow 531
Department of Physics, Oxford University: Atmospheric, Oceanic and Planetary Physics 261
Department of Physics, University of Durham 359
Jodrell Bank, University of Manchester 543

Reports of Meetings
1992 May 8 115
1992 October 9 271
1992 November 13 271
1992 December 11 272
1993 January 8 379
1993 February 12 379
1993 March 12 380
1993 April 1 380
Annual General Meeting of 1993 May 14 381
Autumn MIST Meeting 1992 513
Report of Council to the 173rd AGM 382
Report of the Honorary Auditors for the Year 1992 392
Spring MIST Meeting 1992 95
Rothman, T. & Ellis, G.F.R., Smolin's Natural Selection Hypothesis 201

Sciama, D.W., Cosmology and Particle Physics: A new Synthesis (The 14th Milne Lecture) 291
Shaefer, B.E., Ahmad, A.A. & Doggett, L., Records for Young Moon Sightings 53
Simple Consequences of Inflation, *M.Clutton-Brock* 411
Smolin's Natural Selection Hypothesis, *T.Rothman & G.F.R.Ellis* 201
Some Comments on the Identification of Medieval Meteor Showers Recorded by the Arabs, *M.R.Kidger* 331

Some Cosmological Reasons Why Planet X Does Not Exist, *D.W.Hughes* 461

Teske, R.G., Planetary Resources for Extraterrestrial Technology are Unlikely 335
The Aubrey Holes Revisited, *C.T.Daub* 563
The Physics and Geometry of the Universe: Changing Viewpoints, *G.F.R.Ellis* 315
The Regulatory and Diagnostic Roles of Chemistry in Low-Mass Star Formation, *T.W.Hartquist, J.M.C.Rawlings, D.A.Williams & A.Dalgarno* 213
The Significance of the 56 Holes of the Aubrey Circle at Stonehenge, *T.H.Kirk* 567
The Solar System – its Origin and Evolution: a Personal View, *M.M.Woolfson* 101
The Solar System – its Origin and Evolution, *M.M.Woolfson* 1
The Star of Bethlehem Casts Light on its Modern Interpreters, *K.Paffenroth* 449
Trimble, V., Patterns in Citations of Papers by American Astronomers 235
Trimble, V., Patterns in Citations to Papers by British Astronomers 301

Understanding the High-redshift Universe: Progress, Hype and Prospects (The Presidential Address), *M.J.Rees* 279
Understanding Why Earth is a Planet with Plate Tectonics, *Z.Mian* 441
Unprincipled Cosmology, *J.D.Barrow* 117

Woolfson, M.M., The Solar System – its Origin and Evolution 1
Woolfson, M.M., The Solar System – its Origin and Evolution: a Personal View 101
Wright, D.C., Double Star Astronomy in the UK 1832–1932 423

Yes, Mercury's Mass is 1/6000000, *R.L.Branham Jr* 109